Date: 14.10.24 & 15.10.24

Machine Learning – Assignment 39

Answers

1. A)

2. A)

3. B)

4. B)

5. C)

6. B)

7. D)

8. A)

9. C)

10. B)

11. B)

12. A), B) & C)

13. Regularization refers to techniques that are used to calibrate machine learning models in order to minimize the adjusted loss function and prevent overfitting and underfitting. Using Regularization, we can fit our machine learning model appropriately on a given test set and hence reduce the errors in it.

14. Lasso regression and Ridge regression are the two algorithms used for regularization.

15. The error term present in Linear Regression equation is usually represented by e. It is known as the regression residual error. The Linear Regression equation is - Y = a + bX + e.